

CLAIMS

1. A suction filter characterized by comprising separate filter elements arranged in an air flow path from a suction section to a discharge section, air sucked through each of said filter elements being introduced into said discharge section.

2. The suction filter as claimed in claim 1 wherein the filter elements are laterally separately arranged in a casing with suction and discharge sections, air sucked through said laterally separated filter elements being introduced into said discharge section.

3. The suction filter as claimed in claim 2 wherein the casing is provided centrally therein with a chamber which is a sealed structure, the separate filter elements being arranged on opposite sides of the chamber, an interior of the sealed structured chamber being communicated with an exterior of the chamber through the respective filter elements and communicated with the discharge section.

4. The suction filter as claimed in claim 2 or 3 wherein the casing outside of the filter elements has sides each formed with a window corresponding a whole size of the

filter elements arranged on the side, said window being adapted to be sealed by a lid which can be opened and closed.

5. A turbocompressor characterized by comprising an integral cast casing with first-, second- and third-stage compressors and with all of air coolers corresponding to said compressors being incorporated therein, said respective stage compressors being connected to the corresponding air coolers through compressed air passages, respectively.

6. The turbocompressor as claimed in claim 5 wherein the incorporated air coolers in the integral cast casing are first and second intercoolers and an aftercooler.

7. The turbocompressor as claimed in claim 6 wherein the compressed air passages for communication of the outlets of the first and second intercoolers with the inlets of the second- and third-stage compressors, respectively, are in the form of pipes detachably attached to the corresponding cooler outlets and to the corresponding compressor inlets, respectively.

8. The turbocompressor as claimed in claim 6 wherein the

first and second intercooler and the aftercooler are arranged and incorporated in the order named and partitioned by partitions, an outside of the aftercooler being in the form of arc.

9. The turbocompressor as claimed in claim 7 wherein the first and second intercooler and the aftercooler are arranged and incorporated in the order named and partitioned by partitions, an outside of the aftercooler being in the form of arc.

10. The turbocompressor as claimed in any one of claims 5-9 wherein an oil tank is arranged on a side of the integral cast casing, a blowoff silencer being placed between the oil tank and the integral cast casing so as to be pinched therebetween, the blowoff silencer being connected to the aftercooler through a blowoff pipe.

11. A method for compact assembling of a turbocompressor characterized by comprises integrally fabricating compressing sections of a three-stage compressor and compressed air passages by casting, and then housing intercoolers and an aftercooler in air-cooler receptacles in the integral cast casing for incorporation thereof in the integral cast casing, and then connecting the

intercoolers and the aftercooler with the respective stage compressors via compressed air passages.

12. The method for compact assembling of the turbocompressor according to claim 11 wherein the integral cast casing with the three air-cooler receptacles partitioned therein is fabricated and then the first and second intercoolers and the aftercooler are housed in the order named in said three receptacles formed in said integral cast casing for incorporation thereof, the respective coolers being connected to the respective stage compressors thorough the compressed air passages.